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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/708,800	03/26/2004	Joy P. Prabhakaran	H0005591 2799 EXAMINER		
128	7590 12/19/2005				
HONEYWELL INTERNATIONAL INC. 101 COLUMBIA ROAD			ASSOUAD, PATRICK J		
P O BOX 2245 MORRISTOWN, NJ 07962-2245			ART UNIT	PAPER NUMBER	
			2857		
			DATE MAILED: 12/19/200	DATE MAILED: 12/19/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/708,800	PRABHAKARAN ET AL.	
Office Action Summary	Examiner	Art Unit	
	Patrick J. Assouad	2857	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	lely filed the mailing date of this communication. D (35 U.S.C. § 133).	
Status			
 1) ☐ Responsive to communication(s) filed on 12 Set 2a) ☐ This action is FINAL. 2b) ☐ This 3) ☐ Since this application is in condition for allowant closed in accordance with the practice under E 	action is non-final. ace except for formal matters, pro	secution as to the merits is	
Disposition of Claims			
 4) Claim(s) 1-14 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) 7,13 and 14 is/are allowed. 6) Claim(s) 1,2 and 8 is/are rejected. 7) Claim(s) 3-6 and 9-12 is/are objected to. 8) Claim(s) are subject to restriction and/or 			
Application Papers			
9) ☐ The specification is objected to by the Examine 10) ☑ The drawing(s) filed on 14 November 2005 is/an Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction 11) ☐ The oath or declaration is objected to by the Examine 11.	re: a) accepted or b) object drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Applicati ity documents have been receive ı (PCT Rule 17.2(a)).	on No ed in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:		

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DETAILED ACTION

Response to Amendment

This action is responsive to the Amendment(s) filed 9/12/05 and 11/14/05.
 Claims 1-14 are pending.

Response to Arguments

- 2. Applicant's arguments and Amendment(s) filed 9/12/05 and 11/14/05, with respect to the objection(s) to the Specification and Drawings and claims have been fully considered and are persuasive. These particular objections have been withdrawn.

 (Note that new objections are raised below with respect to the amended claims.)
- 3. The Declaration filed on 9/12/05 under 37 CFR 1.131 is sufficient to overcome the Gruszecki et al. (US 2004/0252750 A1) reference. The rejection of claims 1-6 and 8-12 under 35 U.S.C. 102(e) as being anticipated by Gruszecki et al. (US 2004/0252750 A1) is withdrawn.
- 4. Applicant's arguments filed with respect to the rejection of claims 1,2 and 8 as being anticipated by Alan Li, "AN-582 Resolution Enhancements of Digital Potentiometers with Multiple Devices", Rev A 12/19/01, have been fully considered but they are not persuasive.

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5. Applicant argues that "the record is not clear that the Li reference is proper prior art under the applicable law/practice." And the Applicant directs the Examiner's attention to MPEP 2128 which refers to "electronic publications as prior art."

First, the Examiner does not consider the publication to be an "electronic publication" in the same sense as one considers an Internet Webpage or html document or similar.

The reference by Li is an "application note." As is known to those of ordinary skill in the art, application notes usually accompany "data sheets" or "specifications" of an electronic manufacturer's products to enhance sales of those particular electronic products. In this case, the application note by Li is clearly teaching potential customers of Analog Devices (Li's employer) how to apply Analog Devices' digital potentiometers (e.g. AD5242, AD5231, AD5233, etc.) in a parallel configuration to increase resolution.

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6. Finally, it should also be emphasized that the date printed on the bottom of the first page of Li's application note shows: "Rev. A 12/19/01." This application note was clearly revised by Li on 12/19/01 and thus an even earlier version of this application note was known by others prior to 12/19/01.

Claim Objections

7. Claims 9, 11 and 12 are objected to because of the following informalities: there appear to be some typographical errors; e.g. claim 9 should probably depend from claim 8 (not 7); in claim 11, "digitalpotentiometer" should be corrected; and, in claim 12, "The systemofclaim9, further comprising are sistor connected" should be corrected. Appropriate

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correction is required. A thorough check of all the claims for typographical accuracy and correctness is required.

Claim Rejections - 35 USC § 102

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States
- 9. Claims 1, 2 and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by Alan Li, "AN-582 Resolution Enhancements of Digital Potentiometers with Multiple Devices", Rev A 12/19/01.
- 10. As per independent claims 1, 2 and 8 which are simply a "plurality of digital potentiometers connected in parallel," see at least the Introduction and Figures 1-4 of Li which clearly show resolution enhancement using various parallel digital potentiometers configurations.
- 11. As per the limitations of independent claims 2 and 8 which refer to the first resistance being not equal to the second resistance, see at least Fig. 5 of Li and its discussion just above indicating that R1 and R2 may be different.

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Allowable Subject Matter

12. Claims 3-6 and 9-12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

13. Claims 7,13 and 14 are allowed.

Conclusion

14. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

15. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patrick J. Assouad whose telephone number is 571-272-2210. The examiner can normally be reached on Tuesday-Friday, 6:30am-5:00pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marc Hoff can be reached on 571-272-2216. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Patrick J Assouad Primary Examiner Art Unit 2857

pja